

CLAIMS

1. A stator of a motor, comprising:

5 a stator core (3) having a plurality of teeth (T);

windings (4), a part of each winding (4) being wound around teeth (T) of the stator core (3) via an insulator (5); and

10 lead-out guide portions (13) provided in the insulator (5) and enabling lead-out wires (12) to be drawn out from corresponding tooth winding portions (11) of the windings (4) in a state of being close to the corresponding tooth winding portions (11).

15 2. The stator of a motor according to claim 1, wherein

each winding (4) includes tooth winding portions (11), a crossover wire (31), a neutral wire (30) and a power wire (29);

20 the winding (4) is wound around one of two opposed teeth (T), starting at an end of one tooth winding portion (11) that follows the neutral wire (30), and the crossover wire (31) directed from another end of the tooth winding portion (11) around the one tooth (T) toward the
25 other of the opposed teeth (T) connects to the power wire

(29), and at an end of a tooth winding portion (11) to be around the other tooth (T) that continues from the power wire (29) the winding (4) is wound around the other tooth (T), and another end of the tooth winding portion (11) around the other tooth (T) is connected to the neutral wire (30) such that a lead-out portion (32) from the one tooth winding portion (11) to the other tooth winding portion (11) and a lead-out portion (33) from the other tooth winding portion (11) to the neutral wire (30) serve as the lead-out wires (12).

3. The stator of a motor according to claim 1, wherein

each of the lead-out guide portions (13) comprises a groove (14) provided in the vicinity of a periphery of the corresponding tooth winding portion (11).